



BOROUGH OF LEIGH

REPORT

of the

Medical Officer of Health

and the

Chief Public Health Inspector

for the Year

1961





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HEALTH COMMITTEE

Chairman:

Alderman T. H O U R I G A N, J.P., C.A.

Deputy Chairman:

His Worship the Mayor Councillor F. G I B S O N, J.P.

Alderman T. Battersby, M.B.E., J.P.

" C.H. Bratt, J.P.

" H. Gough, J.P.

" E. Green, J.P.

" W. Kearney, J.P.

Councillor L. Birtles

" H. Connell

" H. Davies

" P. Fazackerley

" L.V. Hampson

" P. Hull

" A. E. Lyon

" J. Murray

" J. Owens

" Dr. L.G.R. Roberts

" F. Taylor

S T A F F

Medical Officer of Health:

E L L I S   T A Y L O R,   M.B.,   Ch.B.,   D.P.H.

Chief Public Health Inspector:

H A R R Y   C L U S K Y

Inspector of Canal Boats:     Rodent Officer

Deputy Chief Public Health Inspector:

A R T H U R   L.   H O P E

District Public Health Inspectors:

Thomas Sutton

David H. Barnes

Robert Charles Wood

Lance Cartwright (Resigned 28.2.61)

James Anderson (Appointed 2.9.61)

Temporary Technical Assistant:

James Kenneth Hogg

Clerical Staff:

Senior Clerk:     Mrs. G. O'Neil

Clerk/Typist:     Mrs. L. Roe

"     "     Miss E. Taylor

Disinfector/Mortuary Attendants:

John Kelly

William Lowton

Rodent Control:

John Statham

## T A B L E     O F     C O N T E N T S

### INTRODUCTION

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SECTION A.

S T A T I S T I C A L      A N D      S O C I A L  
C O N D I T I O N S      O F      T H E      A R E A .

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Public Health Department,  
Town Hall,  
L E I G H.

Tel : Leigh 72421

To the Chairman and Members of the Health Committee.

I have the honour to present for your information and consideration the Annual Report on the health of the Borough of Leigh for the year 1961.

The health of the Borough has, on the whole, again remained satisfactory through the year. The population continued its downward trend which has been evident since 1950, the mid-year estimate being 46,380. The birth rate was 16.6 per thousand, and the infant mortality rate at 25.6 was somewhat above the national figure (21.6). The death rate increased to 16.8 per thousand. Attention is drawn to the 23 deaths from cancer of the lung, 21 of whom were males. It is reasonable to anticipate an increasing number of deaths assignable to this cause in the years ahead. A reduction will only appear in the distant future if smoking habits are changed radically now.

The success of the Ministry of Agriculture, Fisheries and Food's policy in the eradication of animal tuberculosis is clearly illustrated in the findings of the inspection of cattle at the slaughterhouses. The decrease in the past few years has been quite dramatic.

The slum clearance programme was slowed down during the year in order to allow more adequate consideration of future policy and the opportunity was taken to deal with many widely scattered individual unfit houses.

The work on the first two smoke control areas in the centre of the town were completed and the Orders submitted to the Minister for confirmation.

During the course of the year the Corporation accepted a suggestion from the Royal Society for the Promotion of Health to hold a Sessional Meeting in the Town. This proved to be a most successful occasion and a large audience heard papers given by Professor Kellgren on "Epidemiological Research of Chronic Rheumatic Diseases with special relevance to Leigh", incorporating the results of much of his work carried out in the town over previous years, and by Mr. Albert Jones, the Town Clerk, on "Some Aspects of Environmental Health in a Mining Area".

I welcome this opportunity of expressing thanks to you, Mr. Chairman, and all Members of the Health Committee for their continued interest in the Department, and to the Members of the staff and my colleagues in the Town Hall for their over-ready help and co-operation.

Yours sincerely,

E. TAYLOR

# V I T A L     S T A T I S T I C S .

The following is a summary of the principal statistics for the year 1961:-

	<u>Leigh</u>	<u>England &amp; Wales</u>
Population	46,380	46,166,000
Number of deaths (corrected)	633	551,783
Death Rate (per 1,000 population) (corrected)	16.8	12.0
Number of Live Births registered (corrected)	780	804,120
Number of Illegitimate Births	27	
Percentage of Illegitimate Live Births	3.46	
Live Birth Rate (per 1,000 population)	16.6	17.4
Number of Stillbirths (corrected)	16	15,343
Stillbirth Rate per 1,000 total (live and still) births	20.1	19.1
Number of Infant Deaths	20	17,211
Infant Mortality Rate per 1,000 live births	25.6	21.6
Infant Mortality Rate per 1,000 legitimate births	26.56	
Infant Mortality Rate per 1,000 illegitimate births	74.07	
Neo-Natal Mortality Rate (first four weeks) per 1,000 related live births	11.5	15.5
Peri-natal Mortality Rate per 1,000 total births	31.4	32.2
Maternal Deaths (excluding abortion)	Nil	0.27
Maternal Mortality Rate (including abortion) per 1,000 total births	Nil	0.33
Number of Deaths from all forms of Tuberculosis	2	3,333
Death Rate per 1,000 population from all forms of Tuberculosis	0.04	0.072
Number of Deaths from Neoplasms - Lung Bronchus	23	22,809
Death Rate per 1,000 population from Neoplasms - Lung Bronchus	0.5	0.49
Number of Marriages solemnized	394	

## LOCAL CONDITIONS AND STATISTICS.

Leigh is an industrial South-East Lancashire town. The highest and lowest ordnance datum being 146 feet and 53 feet respectively.

The principal industries are coal mining, cotton spinning and weaving, electric cable manufacture, electrical products, rope making, rayon weaving, sheet metal working, agricultural and general engineering, with some farming on mossland on the southerly boundary of the Borough.

Area in acres	6,359
Population (Census 1951)	48,728
Population (Census 1961) (Provisional)	46,153
Estimated population (Mid-year Estimate 1961)	46,380
Number of inhabited houses, end of 1961 according to Rate Books	15,100
Rateable Value	£550,206
Sum represented by Penny Rate	£2,100

TABLE SHOWING CLASSIFICATIONS OF CAUSES  
OF DEATHS FOR THE YEAR 1961.

	<u>Males</u>	<u>Females</u>	<u>Total</u>
Tuberculosis, Respiratory	1	-	1
"    Other	1	-	1
Other Infective and Parasitic Diseases	1	-	1
Syphilitic Disease	1	1	2
Malignant Neoplasms - Stomach	10	12	22
"    "    - Lung, Bronchus	21	2	23
"    "    - Breast	-	4	4
"    "    - Uterus	-	7	7
"    "    - Others	30	22	52
Leukaemia, aleukaemia	2	3	5
Vascular lesions of the Nervous System	37	47	84
Coronary Disease, Angina	86	47	133
Hypertension with Heart Disease	6	12	18
Other Heart Disease	33	43	76
Other Circulatory Diseases	10	14	24
Influenza	12	13	25
Pneumonia	12	14	26
Bronchitis	17	14	31
Other diseases of respiratory system	12	-	12
Ulcer of Stomach and Duodenum	2	1	3
Gastritis, Enteritis and Diarrhoea	1	1	2
Nephritis and Nephrosis	3	3	6
Hyperplasia of Prostate	4	-	4
Congenital malformations	4	2	6
Other defined and ill-defined diseases	13	24	37
Motor Vehicle Accidents	3	2	5
All other Accidents	13	2	15
Suicide	6	2	8
	<u>341</u>	<u>292</u>	<u>633</u>

STATISTICS FOR 1960, 1961 AND THE PERIOD 1956 - 1960.

	Per 1,000 Estimated Population			Mortality Rate	
	Live Birth Rate	Crude Death Rate	Death Rate from Pulmonary Tuberculosis	Maternal	Infants
				Rate per 1,000	Rate per 1,000
				Total Births	Live Births
Mean of 5 years (1956 to 1960)	15.7	12.2	0.09	0.51	23.6
Year 1960	15.9	11.7	0.04	M1	20.0
Year 1961	16.8	13.6	0.02	M1	25.6
Increase or decrease in 1961 on 5 years average (1956 - 1960)	+ 1.1	+ 1.4	- 0.07	- 0.51	+ 2.0
Increase or decrease in 1961 on 1960	+ 0.9	+ 1.9	- 0.02	M1	+ 5.6



## BIRTH RATE

The total number of registered live births assignable to the Borough of Leigh for the year 1961 was 780 compared with 750 the previous year. The corresponding Birth Rate for the two years respectively are 16.8 and 15.9 per 1,000 estimated population.

The crude death rate is 13.6 per 1,000 of the estimated resident population, but when this is corrected and adjusted by making allowances for the age and sex distribution of the population it becomes comparable with the death rate of the country as a whole, or with the death rate of any other area. This standardised death rate, as it is then termed, is 16.8 per 1,000 estimated population for the Borough of Leigh.

The following table gives the Birth and Death Rates per 1,000 estimated population for Leigh and England and Wales during the last 25 years:-

Year	Birth Rates		Death Rates	
	Leigh	England & Wales	Leigh	England & Wales
1937	13.5	14.9	14.4	12.4
8	15.3	15.1	11.9	11.6
9	14.5	15.0	15.4	12.1
1940	15.5	14.6	16.6	14.3
1	18.1	14.2	11.7	12.9
2	18.3	15.8	12.1	11.6
3	19.8	16.5	12.5	12.1
4	19.3	17.6	12.7	11.6
5	18.8	16.1	12.5	11.5
6	20.4	19.1	11.5	11.4
7	22.2	20.5	12.7	12.0
8	17.9	17.9	11.3	10.8
9	17.4	16.7	12.4	11.7
1950	16.5	15.8	11.8	11.6
1	14.7	15.5	12.7	12.5
2	13.9	15.3	11.7	11.3
3	15.1	15.5	10.2	11.4
4	14.9	15.2	11.8	11.3
5	14.4	15.0	14.5	11.7
6	15.0	15.7	15.3	11.7
7	15.4	16.1	15.3	11.5
8	16.1	16.4	14.0	11.7
9	15.9	16.5	16.4	11.6
1960	15.7	17.1	14.6	11.5
1	16.6	17.4	16.8	12.0

## STILL BIRTH RATE

The total number of registered still births assignable to the Borough during the year was 16 compared with 22 the previous year, giving rates for the two years of 0.34 and 0.46 respectively per 1,000 estimated population. The still birth rate for England and Wales during the period was 0.33.

BIRTH RATES AND DEATH RATES, ANALYSIS OF  
MORTALITY AND CASE RATES FOR CERTAIN INFECTIOUS  
DISEASES FOR THE YEAR 1961.

	Rates per 1,000 Home Population	
	England & Wales	Leigh
<b>BIRTHS:-</b>		
Live Births	17.4	16.8
Still Births	0.33	0.34
	18.7 (a)	20.5 (a)
<b>DEATHS:-</b>		
All causes	12.0	13.6
Tuberculosis - All forms	0.072	0.04
"    - Respiratory	0.065	0.02
"    - Non-Respiratory	0.007	0.02
Cancer - All forms	2.16	2.44
"    - Lungs & Bronchus	0.49	0.50
"    - Other Cancer	1.67	1.94
Maternal Mortality	0.33 (a)	Nil
Infant Mortality	21.4 (b)	25.6 (b)
Neo-Natal Mortality	15.5 (b)	11.5 (b)
<b>NOTIFICATIONS:-</b>		
Typhoid Fever	0.002	Nil
Paratyphoid Fever	0.005	Nil
Meningococcal Infection	0.014	Nil
Scarlet Fever	0.433	0.17
Whooping Cough	0.530	0.13
Diphtheria	0.001	Nil
Erysipelas	0.048	Nil
Smallpox	0.000	Nil
Measles	16.522	2.80
Pneumonia	0.400	0.06
Acute Poliomyelitis - Paralytic	0.017	0.02
"    "    - Non-Paralytic	0.004	Nil
Acute Encephalitis - Infective	0.003	Nil
"    "    - Post Infective	0.003	Nil
Dysentery	0.442	0.19
Food Poisoning	0.170	Nil
Puerperal Pyrexia	0.181	Nil
Tuberculosis - Respiratory	0.416	0.47
"    - Meninges & C.N.S.	0.004	Nil
"    - Other	0.055	0.02

(a) Per 1,000 Total Live and Still Births

(b) Per 1,000 Total Live Births.



# INCIDENCE AND MORTALITY OF TUBERCULOSIS 1961.

AGE PERIODS	New Cases						Deaths					
	Pulmonary			Non-Pulmonary			Pulmonary			Non-Pulmonary		
	M	F		M	F		M	F		M	F	
Under 1	-	-		-	-		-	-		1	-	
1 - 4 years	-	1		-	-		-	-		-	-	
5 - 9 "	-	-		-	-		-	-		-	-	
10 - 14 "	-	-		-	-		-	-		-	-	
15 - 19 "	2	2		-	-		-	-		-	-	
20 - 24 "	3	2		-	-		-	-		-	-	
25 - 34 "	1	1		-	-		-	-		-	-	
35 - 44 "	2	-		-	-		-	-		-	-	
45 - 54 "	1	-		-	-		-	-		-	-	
55 - 64 "	4	1		-	-		-	-		-	-	
65 and upwards	1	1		-	1		1	-		-	-	
TOTALS	14	8		-	1		1	-		1	-	
	22			1			1			1		

INCIDENCE AND MORTALITY OF TUBERCULOSIS, 1944 - 1961

	1944	1945	1946	1947	1948	1949	1950	1951	1952	1953	1954	1955	1956	1957	1958	1959	1960	1961
Notified Cases:-																		
(a) Pulmonary	31	32	21	24	42	27	27	35	26	28	18	19	24	24	28	20	15	22
(b) Non-Pulmonary	14	9	9	6	12	6	14	14	4	3	5	1	3	3	3	2	1	1
Deaths:-																		
(a) Pulmonary	14	15	11	18	17	17	14	9	8	7	11	5	5	2	7	6	2	1
(b) Non-Pulmonary	4	4	5	1	3	1	-	5	2	1	-	-	-	-	-	-	-	1

SUMMARY OF THE INCIDENCE OF THE PRINCIPLE NOTIFIABLE DISEASES  
OTHER THAN TUBERCULOSIS 1935 - 1961.

(No. of Deaths in Brackets)

	1935-39	1940-44	1945-49	1950-54	1955	1956	1957	1958	1959	1960	1961
Scarlet Fever	580 (4)	447	978 (1)	480	33	37	20	9	38	17	8
Diphtheria	856 (55)	367 (25)	44	-	-	-	-	-	-	-	-
Measles	3 (20)	2577 (8)	1884 (5)	1928 (1)	418	142	710 (1)	17	90	1311	130
Whooping Cough	60 (3)	461 (5)	438 (1)	510 (1)	21	108	23	26	31	16	6
Pneumonia	444 (196)	388 (140)	249 (101)	152 (108)	9 (17)	3 (21)	7 (28)	5 (9)	3 (14)	1 (13)	3 (26)
Puerperal Pyrexia	58	79	43	4	-	-	-	-	-	-	-
Meningococcal Infection	-	-	-	4 (2)	3	1	-	2 (1)	-	-	-
Dysentery	1 (3)	16	6	42	31	6	1	23	113	187	9
Erysipelas	103	96	63	33	5	1	1	2	4	1	-
Acute Poliomyelitis	3	7 (1)	12 (1)	10	1	1	2	1	8	-	1
Food Poisoning	-	-	4	-	4	-	-	21	-	-	-
Paratyphoid Fever	-	-	-	7	-	-	1	-	2	-	-
Totals	2108	4438	3721	3170	525	299	765	106	289	1533	157

# INCIDENCE OF NOTIFIABLE DISEASES (other than Tuberculosis) 1961

DISEASE	AGE PERIODS																												
	Under 1		1-		2-		3-		4-		5-		10-		15-		20-		35-		45-		65-		Age Unknown		Total		
	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	
Scarlet Fever	-	-	-	-	-	-	-	1	1	1	1	-	4	-	1	-	-	-	-	-	-	-	-	-	-	-	-	1	7
	1	1	1	-	1	1	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4	2
Measles	8	1	7	12	7	14	14	12	13	13	15	11	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	67	63
	-	-	-	2	-	1	-	1	-	-	-	1	1	-	-	-	-	3	-	-	-	-	-	-	-	-	-	1	8
Dysentery	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1	-	-	-	1	-	-	-	-	2	1
Pneumonia	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
Acute Poliomyelitis (Paralytic)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
Totals	9	2	8	14	8	17	14	14	14	14	16	16	4	1	-	-	4	1	-	-	-	-	1	-	-	-	-	75	82

SECTION B.

GENERAL PROVISIONS

OF THE

HEALTH SERVICES

IN THE

BOROUGH

GENERAL PROVISIONS OF THE HEALTH SERVICES  
IN THE BOROUGH.

AMBULANCE SERVICE

Leigh Ambulance Station. Tel: Leigh 73111

CARE OF CHILDREN - CHILDREN ACT, 1948.

Children's Committee, Lancashire County Council, Area No. 11

Area Children's Office,  
89 - 91 Railway Road,  
Leigh. Tel: Leigh 72206

CLINICS.

1. ANTE-NATAL:

Boundary Street Clinic	(Monday: 2.0 - 4.0 p.m.
	(Wednesday: 10.0 a.m. - 12 noon.
Stonehouse Clinic	(Thursday: 1.30 - 3.30 p.m.

2. RELAXATION CLASS:

Stonehouse Clinic	Friday: 2.0 - 4.0 p.m.
-------------------	------------------------

3. IMMUNISATION:

- (i) At the four County Clinics in the Leigh area  
by arrangement as required.
- (ii) The general practitioner service.

4. POLIOMYELITIS VACCINATION:

Adults - Open Session at Stonehouse Clinic every first Friday  
in the month. 12 noon to 1.15 p.m.

Children of pre-school age - Each of the Child Welfare Clinics  
at 2.0 p.m.

5. MATERNITY AND CHILD WELFARE:

(I)	Stonehouse Clinic	Tuesday	2.0 - 4.0 p.m.
(II)	Boundary Street Clinic	Thursday	2.0 - 4.0 p.m.
(III)	Ingham Street Clinic	Wednesday	2.0 - 4.0 p.m.
(IV)	Nangreaves Street Clinic	Monday	2.0 - 4.0 p.m.

C L I N I C S (Continued)

5. DENTAL:

Stonehouse Clinic, St. Helens Road, Leigh. By appointment.

6. OPHTHALMIC:

Stonehouse Clinic, St. Helens Road, Leigh. By appointment.

7. ORTHOPAEDIC:

Elliott Street Clinic, Tyldesley. By appointment.

8. ORTHOPTIC:

Stonehouse Clinic, St. Helens Road, Leigh. By appointment.

9. SPEECH THERAPY:

Stonehouse Clinic, St. Helens Road, Leigh. By appointment.

10. TUBERCULOSIS:

Chest Clinic, Leigh Infirmary, Leigh.

11. VENEREAL DISEASES:

(I) LEIGH INFIRMARY

Males and Females - Monday morning.

(II) CIVIC CENTRE, BOLTON

Males and Females:

Monday to Friday	9.0 - 12 noon.
Saturday	9.0 - 11.30 a.m.
Monday, Wednesday & Friday	2.0 - 7.30 p.m.
Tuesday and Thursday	2.0 - 5.0 p.m.

(III) ROYAL ALBERT EDWARD INFIRMARY, WIGAN

Males:-	Friday	2.0 - 4.0 p.m.
		4.30 - 7.0 p.m.
Females:-	Wednesday	2.0 - 4.0 p.m.
		4.30 - 7.0 p.m.



#### C O N V A L E S C E N C E .

Arrangements made by the Lancashire County Council through the Divisional Medical Officer.

#### C O N V A L E S C E N T   T R E A T M E N T .

Arrangments made by the Regional Hospital Board.

#### H E A L T H   V I S I T I N G   S E R V I C E .

Health Visitor/School Nurses are employed in the area by the Lancashire County Council.

#### H O M E   H E L P   S E R V I C E .

Provided by the Lancashire County Council through the Divisional Medical Officer.

#### ' H O M E   N U R S I N G   S E R V I C E .

District Nurses are provided in the area by the Lancashire County Council.

#### H O S P I T A L S .

- |    |                    |   |
|----|--------------------|---|
| 1. | GENERAL            | Leigh Infirmary<br>Astley Hospital, Astley<br>Atherleigh Hospital |
| 2. | INFECTIOUS DISEASE | Whelley Hospital, Wigan<br>Hulton Lane, Bolton                    |
| 3. | MATERNITY          | Billinge Hospital, Billinge, Nr. Wigan.                           |

#### L A B O R A T O R Y   F A C I L I T I E S .

Laboratories at Leigh, Wigan and Bolton Infirmaries and the Regional Laboratory of the Public Health Laboratory Service at Monsall, Manchester.

#### M A T E R N I T Y   H O M E S .

The Firs, Leigh.

#### M I D W I F E R Y   S E R V I C E .

Domiciliary midwives employed in the area by the Lancashire County Council.



M O R A L   W E L F A R E   W O R K .

Local Workers:-      Council for Moral Welfare,  
186 Chapel Street,  
Leigh.  
Tel:    Leigh 71061

N U R S I N G   H O M E S .

None in the district.

U N M A R R I E D   M O T H E R S   A N D   I L L E G I T I M A T E   C H I L D R E N .

Provision for their care is made by the Lancashire County Council in conjunction with voluntary organisation.

W E L F A R E   S E R V I C E S .

Arrangements made by the Lancashire County Council through the Divisional Medical Officer.  
Residential accommodation at Atherleigh Grange and Hourigan House, Leigh.

X - R A Y   F A C I L I T I E S .

At Leigh, Bolton and Wigan Infirmaries. Facilities for special chest cases at Chest Clinic, Leigh Infirmary.



SECTION C

PREVENTION OF AND CONTROL

OVER INFECTIOUS AND

OTHER DISEASES.

PREVENTION OF AND CONTROL OVER INFECTIOUS  
AND OTHER DISEASES.

D I P H T H E R I A

No cases were notified. It is of interest to note that no case was notified in any County District in Lancashire. The need to continue the immunisation campaign against the disease remains the most necessary pre-requisite for continued freedom.

D Y S E N T E R Y

9 notifications were received during the year. 131 faecal specimens were submitted for examination, 9 of which were confirmed as infected.

E N C E P H A L I T I S

Again no cases were notified.

E R Y S I P E L A S

No cases were notified.

F O O D P O I S O N I N G

Again no cases were notified.

M E A S L E S

130 cases were notified. All proved to be fairly mild and complications were minimal.

M E N I N G O C O C C A L I N F E C T I O N

No cases were notified.

PARATYPHOID FEVER

No cases were notified.

PNEUMONIA

3 cases were notified.

POLIOMYELITIS

1 case was notified. A child aged 2 years suffered a paralytic attack. This child had been vaccinated two days prior to onset.

PUERPERAL PYREXIA

No cases were notified.

SCARLET FEVER

8 cases were notified.

SMALLPOX (VARIOLA)

No cases were notified.

TUBERCULOSIS

During the year 22 cases of pulmonary and 1 of non-pulmonary infection were notified, compared with 15 and 1 respectively in the previous year.

TYPHOID FEVER

No cases were notified.

WHOOPING COUGH

There were 6 notifications during the year.



SECTION D.

REPORT BY THE  
CHIEF PUBLIC HEALTH INSPECTOR  
OF THE  
SANITARY CIRCUMSTANCES  
OF THE AREA.





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## GENERAL SANITARY ADMINISTRATION.

During the year the Corporation extended hospitality to the Royal Society of Health and the North Western Centre of the Association of Public Health Inspectors.

The Sessional Meeting of the Royal Society of Health was held on the 19th October, 1961. Professor Kellgren, Professor of Rheumatology and Director of the Rheumatic Research Centre, Manchester University, read a paper entitled "Epidemiological Research of Chronic Rheumatic Diseases with special relevance to Leigh", and Mr. Albert Jones, Town Clerk of Leigh, gave a paper on "Some Aspects of Environmental Health in a Mining Area".

In connection with this Sessional Meeting the following visits to works of interest were arranged:-

- (a) British Insulated Callender's Cables Ltd., Anchor Works, Leigh.
- (b) Messrs. J. & J. Hayes Ltd., Victoria Mills, Leigh.
- (c) The drainage works of the Mersey River Board in Leigh, preceded by an explanatory talk from the Chief Engineer to the Board.
- (d) Messrs. Turner Bros. Asbestos Co. Ltd., Hindley Green Works.

At the meeting of the North Western Centre of the Association of Public Health Inspectors on the 13th April, 1961, Mr. C. Sarginson, Deputy Town Clerk of Leigh, gave a paper entitled "Some Thoughts on Slum Clearance".

## OFFICE ROUTINE.

Consequent on the O. & M. investigation of the administrative machinery, some re-organisation of the clerical work of the department was put into operation during this year. The recommendations of the Report have been implemented, the old system of journal entries by the Inspectors has been abolished and replaced by a complaint record card which is made out on receipt of each complaint, the clerical staff taking off from these cards the necessary information. This method has undoubtedly lessened the time spent by the Inspectors on clerical duties, but at the same time has increased the work carried out by the clerical staff.

## COMPLAINTS AND ENQUIRIES.

679 complaints and 801 enquiries were received in the office. These are classified in the tables on the following page.

### COMPLAINTS

Defective Drains	46
" Closets	51
" Window Frames	12
" Doors	3
" Eavogutters	29
" House Roofs	32
" Yard Surface	3
" Floors	8
" Sinks	2
" Wall and Ceiling Plaster	24
" Fireplaces	14
" Chimneys	7
Dampness due to various causes	33
Insufficient and inadequate water supply	16
Water lodging	6
Overcrowding	9
Verminous Houses	29
Dirty Houses	10
Rain Penetration	25
Rats and Mice	250
Miscellaneous	70
	<hr/>
TOTAL	679
	<hr/> <hr/>

### ENQUIRIES

	<u>1959</u>	<u>1960</u>	<u>1961</u>
Certification of Vaccination Certificates	85	70	90
Enquiries regarding complaints previously made	89	87	100
" " slum clearance	398	294	336
" " Rent Act	68	13	10
" " Food Hygiene Regulations	18	5	20
" " Overcrowding	14	2	-
" " Licences	20	11	3
" " Dustbins	13	6	11
" " Clean Air Act	-	15	73
Miscellaneous	405	196	158
	<hr/>	<hr/>	<hr/>
	1110	699	801
	<hr/> <hr/>	<hr/> <hr/>	<hr/> <hr/>

SUMMARY OF VISITS BY THE PUBLIC HEALTH INSPECTORS.

	Inspec- tions	Re-inspec- tions	Total	Defaults found	Defaults remedied
<b>DWELLINGHOUSES:-</b>					
Public Health Act	496	1440	1936	593	579
Housing Acts	149	153	302	-	-
Overcrowding	13	5	18	-	-
Houses let in lodgings	2	-	2	-	-
Houses - Verminous	39	12	51	-	-
" - Non-Verminous	8	14	22	-	-
<b>GENERAL SANITATION:-</b>					
Tents, Vans & Sheds	43	37	80	-	-
Canal Boats	3	-	3	-	-
Places of Entertainment	3	-	3	-	-
Streets, Passages, Footpaths	1	-	1	-	-
Marine Store Dealers	1	-	1	-	-
Infectious Disease	55	5	60	-	-
Schools	41	1	42	1	-
Stables and Piggeries	30	-	30	-	-
Prevention of Damage by Pests Act	20	6	26	-	-
Tips	6	-	6	-	-
Drain Testing	73	69	142	24	21
Watercourses	3	1	4	-	-
Smoke Observations	12	-	12	-	-
Pet Animals Act	4	-	4	-	-
Waste Food Order	2	-	2	-	-
Rag Flock Act	4	-	4	-	-
Miscellaneous	590	71	661	36	40
Improvement Grants	175	279	454	-	-
Noise Abatement	2	1	3	1	1
<b>SHOPS ACT:-</b>	301	1	302	16	10
<b>FACTORIES ACT:-</b>					
Mechanical Power	63	-	63	-	-
Non-Mechanical Power	8	-	8	-	-
<b>FOOD PREMISES:-</b>					
Markets	77	-	77	-	-
Bakehouses	62	27	89	99	51
Canteens	26	1	27	2	-
Cafes and Restaurants	23	11	34	-	1
Dairies and Milkshops	-	3	3	-	-
Grocers Shops	102	50	152	12	21
Greengrocers	10	16	26	1	4
Fish Friers	14	13	27	5	6
Wet Fish Shops	6	1	7	-	-
Confectionery Shops	58	25	83	5	6
Food Warehouses	18	-	18	-	-
Licensed Premises	84	9	93	-	2
Butchers Shops	40	12	52	4	1
Slaughterhouses	657	1	658	-	-
Ice Cream Manufacturers	4	-	4	-	-
" " Shops and Vehicles	47	-	47	-	-
<b>TOTALS</b>	<b>3375</b>	<b>2264</b>	<b>5639</b>	<b>799</b>	<b>743</b>

INFECTIOUS DISEASES - INVESTIGATION  
AND DISINFECTION

55 visits of investigation and 5 re-visits were paid to premises where infectious diseases had occurred. 12 Library Books were disinfected.

Sales of Disinfectant by the Department realised £177.5s.4d. as against £220.5s.4d. last year.

DISINFESTATION.

73 visits were made by the Public Health Inspectors in the course of investigation of verminous premises.

A total of 75 premises were treated by the Disinfestation Staff as follows:-

Houses	46
Food Premises	8
Offices and Workshops	3
Other Premises	18

The Department provides a complete disinfestation service which is available to the public both for treatment and advice on any infestation problem. For this work £117.17s.9d. was re-charged during the year.

TESTING OF DRAINAGE SYSTEMS.

142 visits were paid for the purpose of testing and inspecting existing drainage systems.

Testing of new drainage is carried out by the Borough Surveyor's Department.

CLOSET ACCOMMODATION.

Number of fresh water closets	17,783
Number of waste water closets	214 (approx.)
Number of pail closets	24
Privy middens	3

The pail closets and privy middens are situated in the semi-rural area of the Borough where it is impracticable to provide water closets.

SEWERAGE DISPOSAL.

The disposal is effected at the works of the Leigh and Atherton Joint Sewerage Board, Mather Lane, Leigh. The method of disposal is by percolating filters and humus tanks, with additional chemical treatment by chlorine gas.

#### CANAL BOATS.

There were no new registrations of Canal Boats during the year. Three boats were inspected but no infringements were observed.

#### PIGGERIES.

The number of piggeries in the Borough is estimated to be 97. Thirty visits were made during the year.

#### OFFENSIVE TRADES.

There are no Offensive Trades operating in the Borough.

#### COMMON LODGING HOUSES.

There are no common lodging houses within the Borough.

#### MARINE STORE DEALERS.

There are six premises registered as Old Metal and Marine Store Dealers in the Borough. No new applications for registration were made during the year. In all cases of new registration the Police are informed.

#### PET ANIMALS ACT, 1951.

Seven licences to keep Pet Shops have been issued during the year, 4 visits for the purpose of inspection having been made. Not all licence holders are actually selling animals.

#### PUBLIC BATHS.

The Public Baths consists of 2 plunges, 12 slipper baths and 1 foam bath. Facilities are available for Turkish Baths.

Eighty-four samples of swimming bath water were submitted to the Public Health Laboratory for examination. All were reported upon satisfactorily, with the exception of 5 samples. In respect of these the necessary remedial action was taken and subsequent samples proved satisfactory.

#### GREEN LANE CEMETERY.

During the year the staff of the department supervised the exhumation from Green Lane Cemetery and re-interment at Manchester Road Cemetery of the remains of several deceased persons, in accordance with the terms of licences granted by the Home Secretary and the Lord Bishop of Manchester.



## TENTS, VANS AND SHEDS

There is one licensed caravan site in the Borough containing one caravan. 80 visits were paid to itinerant caravans which were parked for varying periods before moving.

## RAG FLOCK AND OTHER FILLING MATERIALS ACT, 1951.

This Act governs the conditions under which rag flock is manufactured and stored, and controls the use of this and other filling materials for upholstery and such purposes. Standards of cleanliness of filling materials are prescribed by Regulation and certain premises require to be registered by the local authority.

Two premises carrying out upholstery work are registered by the Council. There are no premises manufacturing rag flock in the Borough. 2 Visits were made and one sample was submitted during the year.

## MORTUARY

The Public Mortuary is controlled and staffed by the Department.

During the year 102 bodies were received, of these 16 were from adjoining districts.

Reason for Admission	1957	1958	1959	1960	1961
Accidents	18	11	6	3	5
Suicide	3	5	4	6	5
Natural Causes	73	55	59	66	74
Homicide	-	1	-	-	-
Open Verdict	-	4	-	2	2
Out of District	-	30	65	45	16

## REFUSE COLLECTION

This service is under the control of the Director of Public Cleansing, who has supplied the following information:-

Number of movable ashbins	18,290
Number of ashbins emptied	896,210
Refuse dealt with at Destructor	30 tons
Refuse delivered to tip	26,190 tons

## PLACES OF PUBLIC ENTERTAINMENT

There are three cinemas, to which visits have been made for the purpose of inspection of sanitary accommodation, ventilation and cleanliness.

## SHOPS ACT, 1950

A total of 302 visits for all purposes were made during the year.

## NOISE ABATEMENT ACT, 1960.

Several complaints of noise caused by the steam exhaust from the winding gear to a local Colliery were investigated. Temporary arrangements were made to subdue the noise but these, however, proved ineffective and the Engineers to the National Coal Board re-considered the position and decided to install additional capacity for steam accumulation. Consequent upon this there was some improvement but the position is not yet entirely satisfactory.

## W A T E R     S U P P L Y.

On the 1st April 1961 the Matherfield Water Board became the statutory Water Undertaking for the Borough.

The supply is taken in bulk from the Rivington Reservoirs of the Liverpool Corporation and the Thirlmere Aqueduct of the Manchester Corporation.

Weekly sampling of the Town's mains water is undertaken for bacteriological examination, 62 by this department during the year and 172 by the Liverpool Corporation during the nine months ending September 30th.

One sample was submitted for chemical analysis, with the following results:-

	<u>Parts per million</u>
Colour	Normal
Oxygen absorbed from permanganate in 15 mins.	0.08
Oxygen absorbed from permanganate in 3 hrs.	0.16
Ammonia	0.01
Albuminoid Ammonia	0.02
Nitrogen as Nitrates	0.49
Nitrogen as Nitrites	Faint Trace
Combined Chlorine	13
Lead-grains per gallon	Nil
Zinc	Nil
Copper	Nil
Total Iron	0.08
ph. value	7.2
Total solids in solution	100
Free Chlorine	0.05

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Number of houses with direct supply from the mains	15,092
Number of houses supplied by standpipe	1
Number of houses with private supply	7
(These are premises beyond the point of supply by mains)	

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FACTORIES ACT, 1937.

Number of Factories on the Register at the end of the year - 1937.

CLASSIFICATION

Cotton and Rayon Textile Manufacturers	18
Reed Makers	1
Tailors and Garment Makers	10
Brick Makers	3
Builders, Builders' Merchants & Stonemasons	9
Joiners and Cabinet Makers	15
Earthenware Manufacturers	1
Bakehouses	22
Maltsters	1
Bottlers of Ales, etc.	2
Mineral Water Manufacturers	2
Slaughterhouses	2
Toffee Works	1
Shoeing Forge	1
Coach Builders	3
Engineers and Iron Founders	11
Motor Vehicle Repairers	17
Scrap Metal Dealers	3
Sheet Metal Workers and Welders	5
Boot and Shoe Repairers	12
Brush, Skip and Hamper Makers	2
Cable Makers	1
Electricity Station	1
Coffin Makers	1
Launderers and Dry Cleaners	4
Paint Manufacturers	1
Printers	6
Rope Works	1
Radio and T.V. Repairers	3
Wire Works	1
Others	8
TOTAL	<u>168</u>

The following tables give particulars of the inspections during the year under Part I of the Factories Act, 1937, and an analysis of the defects which were found, with particulars of the action taken.

FACTORIES - INSPECTIONS FOR PURPOSES OF PROVISIONS AS TO HEALTH.

Premises	No. on Register	No. of inspections.	No. of Written Notices	No. of Occupiers prosecuted
Factories in which Sections 1, 2, 3, 4 and 6 are to be enforced by Local Authority	12	8	3	-
Factories not included in (1) in which Section 7 is enforced by Local Authority	154	63	5	-
Other premises in which Section 7 is enforced by Local Authority (excluding outworkers premises)	2	-	-	-
TOTALS	168	71	8	-

FACTORIES - CASES IN WHICH DEFECTS WERE FOUND.

Particulars	Number of Defects				
	Found	Remedied	Referred to H.M. Inspector	Referred by H.M. Inspector	No. of offences in respect of which prosecutions were instituted.
Nuisances under the Public Health Acts:-					
Want of cleanliness	-	4	-	-	-
Overcrowding	-	-	-	-	-
Unreasonable temperature	-	-	-	-	-
Inadequate ventilation	-	-	-	-	-
Ineffective drainage of floors	-	-	-	-	-
Sanitary Conveniences:-					
(a) Insufficient	-	1	-	-	-
(b) Unsuitable or defective	6	22	-	-	-
(c) Not separate for sexes	-	-	-	-	-
Other offences against the Act (not including offences relating to outwork)	2	2	-	-	-
TOTALS	8	29	-	-	-

## SMOKE ABATEMENT AND ATMOSPHERIC POLLUTION.

### CLEAN AIR ACT, 1956.

Industrial plant in the Borough is being brought up to date. Several new steam boilers are in course of installation or contracts about to be let for this class of work. This should mean that by July 1963 Industry will be in a position to meet fully the requirements of the Clean Air Act.

During the year work has proceeded on the Smoke Control Programme outlined and approved by the Ministry of Housing and Local Government. The first two Smoke Control Areas were submitted to the Ministry for approval. These areas, however, were not confirmed by the 31st December.

Particulars of these two areas are as follows:-

	<u>No.1 Area</u>	<u>No.2 Area</u>
Acreeage of Area .. .. .	42	239
No. of dwellings . . . . .	420	1,347
No. of commercial premises .. .. .	245	169
No. of industrial premises .. .. .	9	7
No. of other premises .. .. .	17	18
Total estimated cost of necessary works		
of adaptation .. .. .	£11,235.10s.0d.	£35,849.19s.6d.
Average cost per dwelling .. .. .	£26. 6s.2d.	£26.12s.6d.

During the year members of the staff have given talks to various organisations on the subject of Clean Air. These talks were well received, with many questions being asked and suitable answers given.

Towards the end of the year in order to stimulate interest the Committee agreed to a suggestion that a competition be held amongst the children attending the Senior Schools in the Borough - this to take the form of the submission of an essay or poster on the subject of Clean Air, and that prizes be offered for the best entries. With the co-operation of the Education Committee and its officers, details of the competition were forwarded to the Senior Schools and arrangements made for the showing of various films and the distribution of publicity material.

### ATMOSPHERIC POLLUTION.

Few observations have been made this year on factory chimneys. Of the 13 made, only 1 was in excess of the statutory permitted period and after consultation with the management improvement resulted.

This is the third full year in which the Dark Smoke (Permitted Periods) Regulations have been in operation. Offences under these Regulations are classified as:-

1. Emission of dark smoke from any chimney longer than 10 minutes in the aggregate in any period of 8 hours, or, if soot blowing is carried out during the period, 14 minutes. These periods are extended where a chimney serves more than one furnace by:-

18 - 25 minutes in the case of 2 furnaces

24 - 34 " " " " " 3 "

29 - 41 " " " " " 4 " or more.

(The two furnace tubes of a Lancashire boiler would be classified as a single furnace).

2. The continuous emission of dark smoke, caused otherwise than by soot blowing, for a period exceeding 4 minutes.
3. The emission of black smoke for more than 2 minutes in the aggregate in any period of 30 minutes.

The number of factory and works chimneys situated within the Borough is 41.

The following table gives details of the work done in this connection during the year:-

Number of chimneys observed (half-hour observations)	13
Number of observations showing emission of black smoke in excess of Byelaw limits	1
Number of intimation notices served	1
Number of abatement notices served	-

The Authority is a member of both the North Western Division of the National Society for Clean Air and the Manchester and District Regional Smoke Abatement Committee.

#### COLLIERY SPOILBANKS.

The spoilbank at the Bedford Colliery, which over the last few years has caused many complaints from residents in the vicinity, has been somewhat innocuous, having now got to the stage where large areas have burned themselves out.

#### VOLUMETRIC APPARATUS

The measurement of pollution has continued during the year by the use of a volumetric apparatus, the deposit guage and the exposure of a measured amount of lead peroxide. The results are submitted to the Department of Scientific and Industrial research, where they are co-ordinated into the National Survey of Atmospheric Pollution.

The tables on the following pages give the comparative results of the investigation and reveal a continuing improvement, small perhaps, but of significance.

The recording, which commenced in April 1958, is achieved by drawing about 70 cubic feet of air every 24 hours through a 2" circle of filter paper, the suspended matter being deposited on the paper as a dark stain, this varying of course with the amount of smoke present in the air. The stain is measured by means of a photo-electric apparatus and results expressed in milligrammes per 100 cubic metres. At the same time an estimation of the amount of sulphur is made and expressed as the average sulphur dioxide concentration in parts per 100 million.

At the invitation of the Department of Scientific and Industrial Research, the Committee agreed to participate in the National Survey of Atmospheric Pollution, and to the setting up of three sites for measurement of smoke and sulphur dioxide at (a) the Town Hall, (b) Chapel Street and (c) Firs Lane. This National Survey came into operation on the 31st October, 1961, and as from this date the results were expressed as microgrammes per cubic metre. For the purposes of this report therefore the results for the whole year have been standardised and are expressed as microgrammes per cubic metre.

# VOLUMETRIC APPARATUS (Continued)

The results are given in the following table in the form of highest, lowest and average of the daily readings at the Town Hall in each month for the year 1961 and the corresponding figures for 1960.

Month	Smoke in microgrammes per cubic metre.						S O 2 in microgrammes per cubic metre					
	Average		High		Low		Average		High		Low	
	1960	1961	1960	1961	1960	1961	1960	1961	1960	1961	1960	1961
January	458	400	1200	910	140	180	409	432	841	678	186	203
February	390	280	860	720	120	120	395	295	981	606	200	154
March	251	240	380	550	110	50	312	252	581	566	194	117
April	226	240	460	480	90	90	249	264	463	523	109	134
May	177	167	330	320	50	60	204	169	337	438	66	63
June	77	106	170	240	30	50	123	231	349	652	40	72
July	90	77	180	140	30	30	89	133	204	432	63	63
August	140	105	220	230	70	50	126	160	257	403	77	31
September	220	187	560	590	120	30	183	154	360	317	63	60
October	350	232	790	900	110	50	303	174	543	561	103	77
November	390	397	1050	1140	140	100	332	312	964	795	169	92
December	570	389	1290	1956	130	70	475	551	1273	1983	120	151



S O L I D     M A T T E R     D E P O S I T E D

Tons of solid matter per square mile

L E I G H     B O Y S'     G R A M M A R     S C H O O L

Month	1952	1953	1954	1955	1956	1957	1958	1959	1960	1961
January	21.25	14.92	18.41	12.22	25.94	- *	- *	15.98	14.51	13.07
February	11.63	16.74	37.84	11.12	6.29	12.53	- *	8.11	13.45	12.15
March	16.33	22.07	14.40	10.51	15.60	14.23	- *	12.79	15.40	10.71
April	17.08	17.79	9.03	13.07	17.32	11.80	12.93	12.22	10.53	14.64
May	16.67	10.34	20.32	10.74	13.68	19.82	13.24	11.26	18.55	10.20
June	12.14	8.35	13.76	14.17	21.08	18.79	14.34	17.34	10.89	12.14
July	9.95	19.23	14.55	8.94	19.15	19.20	13.34	10.99	12.32	11.78
August	5.64	7.73	19.72	10.30	19.71	19.92	11.57	4.96	12.32	9.85
September	38.61	15.98	18.56	14.03	17.58	19.74	12.60	14.54	9.17	11.42
October	17.65	9.96	13.75	16.84	15.29	- *	10.85	15.27	12.96	13.11
November	20.05	13.84	24.02	10.16	21.55	- *	11.93	12.45	20.96	12.35
December	57.08	11.94	22.27	22.78	13.59	- *	14.74	14.40	14.07	12.84
TOTAL	244.08	168.89	226.63	154.88	206.78	136.03	115.54	151.51	165.13	144.26
Average per month	20.34	14.07	18.88	12.90	17.23	17.00	12.84	12.62	13.76	12.02

\* Due to repeated interference with the apparatus at this site the results have been unreliable, consequently recordings were discontinued until a more favourable one was found.

S O L I D     M A T T E R     D E P O S I T E D

Tons of solid matter per square mile

T O W N     H A L L

Month	1952	1953	1954	1955	1956	1957	1958	1959	1960	1961
January	37.55	29.37	-	15.84	35.32	27.64	27.21	26.68	21.00	14.50
February	19.67	26.03	-	8.50	21.18	28.61	18.44	-	16.90	41.92
March	36.28	40.32	36.85	15.57	45.35	30.92	28.42	-	17.02	11.44
April	27.47	35.41	18.34	93.61	32.57	33.50	25.31	33.32	20.45	24.17
May	35.65	21.51	29.61	32.70	23.93	-	75.84	21.65	22.01	15.31
June	30.05	26.80	18.64	34.14	21.98	23.40	20.28	24.16	14.90	13.39
July	20.95	30.28	20.48	15.40	31.00	24.01	16.50	15.36	17.14	19.51
August	18.62	25.78	25.15	22.41	39.33	32.24	13.08	12.34	15.94	17.87
September	38.17	30.92	28.80	-	37.18	22.13	21.24	17.84	13.34	16.38
October	35.42	22.49	20.24	31.51	20.22	28.82	19.01	24.12	18.68	16.20
November	-	28.51	32.57	19.27	24.48	14.80	13.74	23.86	26.37	25.71
December	-	25.81	27.52	39.26	22.48	42.18	28.12	20.27	19.95	12.41
TOTAL	299.83	343.23	258.20	328.21	355.02	308.25	307.19	219.60	223.70	228.81
Average per month	29.98	28.60	25.82	29.83	29.58	28.02	25.60	21.96	18.64	19.06

S O L I D      M A T T E R      D E P O S I T E D

Tons of solid matter per square mile

F I R S      M A T E R N I T Y      H O M E.

Month	1952	1953	1954	1955	1956	1957	1958	1959	1960	1961
January	-	15.54	14.16	17.65	14.48	14.21	-	19.85	21.73	10.71
February	13.79	20.09	33.93	9.49	4.20	13.69	15.31	6.50	12.34	14.86
March	18.82	19.26	-	16.40	5.40	13.92	18.23	11.93	13.90	7.73
April	15.85	18.54	19.53	18.92	53.74	15.30	13.76	10.22	27.94	14.10
May	18.98	17.33	16.69	13.89	15.40	14.89	18.09	9.70	25.10	10.22
June	16.79	10.21	13.41	17.47	11.52	17.37	16.86	21.48	9.60	10.01
July	17.05	22.36	12.52	10.00	19.88	14.86	15.17	11.72	18.09	15.72
August	16.86	22.51	18.34	11.18	22.29	21.07	11.51	5.53	11.86	18.85
September	23.33	16.27	17.34	14.86	18.05	19.74	17.47	11.07	12.73	12.52
October	23.52	15.95	13.62	16.89	13.72	16.92	9.18	19.85	12.58	21.48
November	17.26	15.89	22.34	8.70	15.24	9.39	12.52	15.85	15.09	22.59
December	-	14.96	23.66	26.76	15.06	16.89	15.95	16.67	16.37	12.66
TOTAL	182.25	208.91	205.54	182.21	208.98	188.25	164.05	166.37	197.33	171.45
Average per month	18.22	17.41	18.68	15.18	17.41	15.68	14.91	13.36	16.44	14.29



S U L P H U R   D E T E R M I N E D   B Y   T H E   L E A D   P E R O X I D E   M E T H O D

Milligrammes per 100 square centimetres per day

L E I G H   B O Y S '   G R A M M A R   S C H O O L

Month	1952	1953	1954	1955	1956	1957	1958	1959	1960	1961
January	2.67	2.92	3.74	3.15	3.09	- *	- *	5.47	3.65	2.92
February	2.66	1.86	3.31	3.47	2.81	2.30	- *	2.70	3.17	1.91
March	1.94	2.72	2.73	3.24	2.64	- *	- *	2.08	2.63	2.20
April	1.63	2.02	2.18	2.11	2.06	1.79	2.37	1.84	1.83	1.92
May	1.36	1.41	1.73	1.67	1.38	1.60	1.70	1.86	1.72	1.38
June	1.14	1.48	1.30	1.44	1.27	1.20	1.70	1.37	1.23	1.03
July	1.03	1.23	1.48	1.06	1.17	0.87	0.83	0.95	0.94	0.95
August	1.00	1.18	1.45	1.34	1.13	0.84	0.92	1.30	1.23	1.17
September	1.56	1.49	1.31	1.51	1.49	1.19	1.51	1.94	1.48	1.02
October	2.03	2.10	1.99	1.94	2.29	- *	1.78	2.22	2.59	1.67
November	2.99	2.88	2.44	3.01	2.74	- *	3.00	2.24	2.16	4.47
December	2.81	3.56	2.58	2.51	1.99	- *	3.46	2.24	3.29	3.82
TOTAL	22.82	24.85	26.24	26.45	24.06	9.79	17.27	26.21	25.92	24.46
Average per month	1.90	2.07	2.18	2.20	2.00	1.39	1.92	2.18	2.16	2.04

\* Due to repeated interference with the apparatus at this site the results have been unreliable, consequently recordings were discontinued until a more favourable one was found.

S U L P H U R   D E T E R M I N E D   B Y   T H E   L E A D   P E R O X I D E   M E T H O D

Milligrammes per 100 square centimetres per day

T O W N   H A L L

Month	1952	1953	1954	1955	1956	1957	1958	1959	1960	1961
January	-	3.51	4.47	4.59	3.93	3.67	3.28	5.34	4.01	3.67
February	3.14	2.39	4.40	4.37	4.05	3.11	2.98	2.87	3.49	2.56
March	2.59	3.19	3.72	4.17	3.36	2.77	3.17	1.83	2.99	2.50
April	2.10	2.24	3.08	2.96	2.80	2.14	2.53	1.78	2.11	2.26
May	1.75	1.68	1.95	2.18	1.69	1.76	1.76	1.35	1.78	1.75
June	1.19	1.52	1.70	1.99	1.50	1.29	1.54	1.21	1.27	1.29
July	1.17	1.20	1.57	1.43	1.07	1.27	1.19	0.92	0.96	1.21
August	1.29	1.42	1.71	1.43	1.62	1.46	1.14	1.16	1.24	1.26
September	1.41	1.72	1.86	1.87	1.66	1.92	1.46	1.66	1.66	1.38
October	2.44	2.92	2.66	2.52	2.73	2.57	1.97	2.12	2.58	2.03
November	3.26	2.03	3.87	4.03	3.21	3.34	3.47	2.61	2.58	3.21
December	3.39	3.41	3.21	3.22	2.87	3.02	3.65	2.73	3.42	4.98
TOTAL	23.73	27.23	34.20	34.78	30.46	27.72	28.14	25.58	28.09	28.10
Average per month	2.15	2.27	2.85	2.89	2.54	2.31	2.34	2.13	2.34	2.34

S U L P H U R   D E T E R M I N E D   B Y   T H E   L E A D   P E R O X I D E   M E T H O D

Milligrammes per 100 square centimetres per day

F I R S   M A T E R N I T Y   H O M E

Month	1952	1953	1954	1955	1956	1957	1958	1959	1960	1961
January	2.36	2.55	4.28	3.82	2.87	2.02	2.73	4.72	2.80	3.03
February	1.92	1.90	3.67	3.64	3.17	2.80	2.31	2.80	2.44	2.15
March	2.14	2.47	3.37	2.81	3.35	2.63	3.18	2.31	3.29	1.63
April	1.67	2.12	2.39	2.11	2.57	1.57	2.16	1.36	1.45	1.98
May	1.34	1.31	1.42	1.75	1.21	1.40	1.31	1.46	1.56	1.21
June	0.93	1.15	1.88	1.88	0.87	1.04	1.31	0.93	0.87	0.66
July	0.83	0.90	0.86	1.09	0.75	0.82	0.83	0.66	0.63	0.57
August	1.06	0.86	1.12	1.22	1.13	1.08	1.14	0.79	0.81	0.54
September	1.14	1.36	1.15	1.05	1.42	1.59	1.38	1.39	1.43	0.78
October	1.99	2.58	1.64	1.74	1.77	1.93	1.22	1.94	2.72	1.39
November	2.64	2.22	2.65	2.81	2.02	3.06	2.74	1.96	2.24	2.29
Decombor	2.63	2.77	2.33	3.65	2.74	3.01	3.10	-	2.82	3.88
TOTAL	20.65	22.19	26.76	27.57	23.87	22.95	23.41	20.32	23.06	20.11
Average per month	1.72	1.84	2.23	2.29	1.99	1.91	1.95	1.85	1.92	1.68

## HOUSING

During the year 42 houses were dealt with under the provisions of the Housing Act, 1957, these being selected from widely scattered sites outside the principal areas scheduled in the clearance programme.

There has been a slowing down of the impetus on slum clearance during the year. The approved programme provides for the demolition of 87 houses per year, but due to an unfortunate chain of circumstances this year only 42 houses have been dealt with.

Details of these are given in the tables below.

### Summary of the position at 31st December, 1961.

Year	Number of houses dealt with			Persons displaced		
	As Clearance Areas	As Individual Houses	Total	From Clearance Areas	From Individual Houses	Total
Pre-Programme	11	35	46	31	104	135
1955	5	3	8	21	7	28
1956	44	7	51	156	27	183
1957	23	72	95	64	187	251
1958	100	72	172	283	194	477
1959	82	31	113	225	97	322
1960	73	14	87	171	53	224
1961	18	24	42	37	58	95
TOTAL	356	258	614	988	727	1715

Houses dealt with since the inception of the current programme ..... 570

Number in advance of programme at 31st December, 1961 ..... 56

Representations were made in respect of 3 areas comprising 18 houses. Two Compulsory Purchase Orders and one Clearance Order were made in respect of the areas concerned.

A further 24 reports were made in pursuance of Section 16 of the Housing Act, 1957, details of which are as follows:-

### A R E A S

Area	Houses involved	No. of Houses	Persons to be displaced
Warrington Road (No.6)	6, 8, 10 and 12 Warrington Road	4	9
Nel Pan Lane	3, 5, 7, 9 and 11 Nel Pan Lane	5	14
Hildon Street	1, 2, 3, 4, 5, 6, 7, 8 and 9 Hildon Street	9	14
	TOTAL	18	37

HOUSING (continued)INDIVIDUAL HOUSES

Address	No. of Houses	Persons to be displaced
19 Derby Street West	1	3
12 Miller Street	1	1
* 131 and 133 Westleigh Lane	2	-
Back 226 Chapel Street	1	3
243 and 245 Wigan Road	2	5
2 and 4 Brown Street North	2	5
113 Green Lane	1	3
10 Norbury Street	1	-
21 and 25 Vernon Street	2	6
1, 3, 9, 11, 13, 15 & 17 Fox Robin Fold	7	15
Hollows Hall Farmhouse	1	5
Liptrot Cottage, Sandy Lane	1	3
Bradshawleach Farmhouse	1	6
105 Chapel Street	1	3
TOTAL	24	58

\* Indicates that the Council accepted an undertaking given by the owner to carry out works to render the houses fit for human habitation. Work was in progress at the end of the year.

MEASUREMENT FOR PERMITTED NUMBER - HOUSING ACT, 1957, SECTION 77.

25 Certificates of Permitted Numbers were issued respecting 62 Houses.

PROVISION OF NEW HOUSES.

(a)	Total		114
(i)	By Local Authority	Houses	64
		Flats	-
(ii)	By other Local Authorities	Houses	4
(iii)	By other bodies or persons	Houses	46
(b)	With State assistance under the Housing Acts:-		
(i)	By Local Authority	Houses	64
		Flats	-
(ii)	By other bodies or persons		Nil



1. INSPECTION OF DWELLINGHOUSES DURING THE YEAR.

(1)	(a)	Total number of dwellinghouses inspected for housing defects under Public Health or Housing Acts.	645
	(b)	Number of inspections made for the purpose	2,238
(2)	(a)	Number of dwellinghouses (included under sub-head (1) above) which were inspected and recorded under the Housing Consolidated Regulations, 1925.	149
	(b)	Number of inspections made for the purpose	302
(3)		Number of dwellinghouses found to be in a state so dangerous or injurious to health as to be unfit for human habitation	42
(4)		Number of dwellinghouses (exclusive of those referred to under the preceding sub-heading) found not to be in all respects reasonably fit for human habitation.	593

2. REMEDY OF DEFECTS WITHOUT SERVICE OF FORMAL NOTICES.

	Number of defective dwellinghouses rendered fit in consequence of informal action by the Local Authority.	94
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3. ACTION UNDER STATUTORY POWERS.

A. Proceedings under Sections 9, 10 and 16 of the Housing Act, 1957:-

(1)	Number of dwellinghouses in respect of which notices were served requiring repairs	N11
(2)	Number of dwellinghouses which were rendered fit after service of formal notice:-	
	(a) By owners	N11
	(b) By Local Authority in default of Owners	N11

B. Proceedings under Public Health Acts:-

(1)	Number of dwellinghouses in respect of which notices were served requiring defects to be remedied.	229
(2)	Number of dwellinghouses in which defects were remedied after service of formal notice:-	
	(a) By owners	116
	(b) By Local Authority in default of Owners	7

### 3. ACTION UNDER STATUTORY POWERS (Continued).

#### C. Proceedings under Sections 16 and 23 of the Housing Act, 1957:-

(1)	Number of dwellinghouses in respect of which Demolition Orders were made	9
(2)	Number of dwellinghouses demolished in pursuance of Demolition Orders	1
(3)	Number of dwellinghouses closed in pursuance of Closing Orders	12

#### D. Proceedings under Section 18 of the Housing Act, 1957:-

(1)	Number of separate tenements or underground rooms in respect of which Closing Orders were made.	Nil
(2)	Number of separate tenements or underground rooms in respect of which Closing Orders were determined, the tenement or room having been rendered fit.	Nil

### 4. HOUSING ACT, 1957 - OVERCROWDING.

Number of Cases of overcrowding investigated during the year	12
Number of Cases of overcrowding confirmed during the year	6
Number of families involved	17
Number of persons dwelling therein	74
Number of families re-housed	5
Number of persons involved	17

The Housing Committee allocate Corporation Houses on a points scheme.

At the end of the year there were 948 applicants on the Corporation housing list, of which 481 were living in lodgings.

### RENT ACT, 1957.

Number of applications for Certificates of Disrepair (Form I)	13
Number of Certificates of Disrepair authorised to be issued - in full	-
Number of Certificates of Disrepair authorised to be issued - in part	3
Number of applications for Certificates of Disrepair refused	-
Number of Undertakings from Landlords to remedy defects (Form K)	5
Number of Undertakings from Landlords accepted	5
Number of Undertakings from Landlords refused	-
Number of Certificates of Disrepair issued (Form L)	3
Number of applications for Cancellation of Certificates of Disrepair (Form M)	18
Number of Certificates of Disrepair cancelled	18
Number of Refusals to cancel Certificates of Disrepair	-
Number of Applications for Certificates re remedying of defects (Form O)	2
Number of Certificates issued re remedying of defects (Form P)	2

IMPROVEMENT GRANTS - Rent Act, 1957, Housing (Financial Provisions) Act, 1958  
and House Purchase and Housing Act, 1959.

Two types of grant are now available with the advent of the House Purchase and Housing Act, 1959, when the Standard Grant was introduced. The conditions applicable to these grants are as follows:-

- (a) Standard Grants are available towards the cost of improving a house which lacks certain standard amenities, such as a bath, w.c. or hot water system. They are specially intended to help the modernisation of houses which can be equipped with these amenities without the necessity for structural additions involving much new building work. These standard grants are a new form of improvement grant which can be claimed as of right: the grant cannot be refused, provided the conditions of payment are satisfied.
- (b) Discretionary Grants are payable for a wider range and more extensive forms of improvement, including the conversion or adaptation of larger houses and other buildings. But payment of these grants is at the discretion of the local council.

Particulars of applications received during the year are set out below:-

DISCRETIONARY GRANTS.

Number of applications received	26
Number of applications received from private owners	25
Number of applications received from landlords	1
Number approved for grant - private owners	20
Number not approved for grant - private owners	2
Number approved for grant - landlords	1
Number not approved for grant - landlords	-
Number of applications withdrawn	3
Total amount of grants authorised	£3,034.10s.0d.
Total amount of grants paid	£4,206. 0s.0d.
Total amount of advances towards balance of cost of work	£ 990.10s.0d.

STANDARD GRANTS.

Number of applications received	118
Number of applications approved	104
Number of applications refused	1
Number of applications withdrawn	13
Total amount of grants paid	£7,653. 0s.0d.
Total amount of advances towards balance of cost of work	£2,100.10s.0d.



TABLE OF DEFECTS DEALT WITH IN DWELLINGHOUSES.

The following table shows the number and types of defects found and remedied in dwelling-houses during the current year:-

<u>Nature</u>			<u>Found</u>	<u>Remedied</u>
Drains			60	60
Roofs			56	62
Eavesgutters			39	47
Rainwater pipes			6	7
Walls External	Defective Brickwork		15	15
"	"	Dampness penetrating	9	7
Walls Internal	Damp wallplaster		96	94
"	"	Defective wallplaster	42	37
"	"	Defective ceiling plaster	17	28
Sinks and Slopstones			2	5
Sink Waste pipes			2	5
Floors			24	14
Window frames	Defective woodwork		26	16
"	"	Sashes and inadequate ventilation	19	21
"	"	Glazing	2	2
Doors			19	18
Fire Ranges	Smoke omission		9	6
"	"	Defective	10	7
Insufficient Water Supply			40	26
Closets	Fresh Water		76	80
"	Waste Water		4	1
Yards and Passages			5	3
Other Defects			<u>15</u>	<u>18</u>
TOTAL			<u>593</u>	<u>579</u>

Repairs were carried out in default of owners, following service of Statutory Notices under the Public Health Act, 1936, at a total cost of £264.17s.5d.

Repairs to defective drains were carried out under signed orders from the owners of the property at a cost of £172.11s.8d., which was fully recovered.

PUBLIC HEALTH ACT, 1936 - STATUTORY NOTICES SERVED.

<u>Section of Act</u>	<u>No. of Notices</u>
39 Defective Sinks	1
39 Drainage (Sub-soil drains)	11
39 Gutters, Downspouts	35
45 Defective Water Closets	47
93 Conditions prejudicial to health	<u>120</u>
	<u>214</u>

INSPECTION AND SUPERVISION OF FOOD.

During the year the Committee has further shown its interest in the food industry by visiting, at the invitation of the Directors in each case, (a) a slaughterhouse and pork products manufactory and (b) a large bread bakery.

CLASSIFICATION OF PREMISES VISITED BY PUBLIC HEALTH INSPECTORS.

	<u>No. of visits paid</u>
Markets	77
Bakehouses	89
Canteens and Restaurants	61
Dairies and Milkshops	3
Grocers Shops	152
Greengrocers	26
Fish Friers	27
Wet Fish Shops	7
Sweet Shops	83
Food Warehouses	18
Hotels and Public Houses	93
Butchers Shops	52
Butchers Mobile Shops	-
Slaughterhouses	658
Ice Cream Manufacturers	4
Ice Cream Shops & Vehicles	<u>47</u>
TOTAL	<u>1397</u>

INFRINGEMENTS OF FOOD HYGIENE REGULATIONS 1955 DEALT WITH

		<u>Defects found</u>	<u>Defects Remodied</u>
Reg. 6	Cleanliness of equipment	5	3
" 8	Risk of contamination	14	10
" 14	Defective closets, etc. Notices re washing.	15	14
" 16	Wash-hand basins, water supply, soap, nailbrush, drying facilities not provided	21	20
" 17	First Aid equipment not provided	7	3
" 18	Accommodation for clothing, etc.	6	7
" 19	Facilities for washing food and equipment	6	4
" 21	Ventilation of Food Rooms	3	-
" 23	Cleanliness and repair of Food Rooms	50	28
" 24	Accumulation of refuse	1	3
	TOTALS	<u>128</u>	<u>92</u>

BAKEHOUSES.

Number of Bakehouses on register	37
Number of inspections in the year	89
Number of defects found	99
Number of defects remedied	51

SLAUGHTERHOUSES.

Number of licensed slaughterhouses in the Borough	2.
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SLAUGHTER OF ANIMALS ACT, 1958.

There are 15 slaughtermen holding licences granted by this Authority.

It was not found necessary on any occasion to seek formal condemnation by Magistrate's Order; this, I feel, confirms the confidence of the trade in the judgment of the inspectorial staff. Condemned meat is dealt with through an authorised disposal unit.

On the following page the table reproduces particulars of the number of cattle examined, and of condemnations.

NUMBER OF CATTLE EXAMINED AND  
CONDEMNATIONS FOR TUBERCULOSIS AND OTHER CONDITIONS

	Cattle excluding Cows.	Cows	Calves	Sheep and Lambs	Pigs
Number killed	3,738	246	14	15,171	19,380
Number inspected	3,738	246	14	15,171	19,380
All diseases except Tuberculosis - whole carcasses condemned	18	3	-	33	9
Carcasses of which some part or organ was condemned	1,523	125	1	1,184	2,430
Percentage of the number inspected affected with disease or parasitic conditions other than Tuberculosis	41.22	52.02	7.1	8.02	12.58
<u>TUBERCULOSIS:</u>					
Whole carcasses condemned	3	-	-	-	1
Carcasses of which some part or organ was condemned	57	1	-	-	118
Percentage of the number inspected affected with Tuberculosis 1961	1.60	0.40	-	-	0.61

PERCENTAGE CONDEMNATIONS FOR TUBERCULOSIS

Year	Cattle excluding Cows.	Cows	Calves	Pigs
1961	1.60	0.40	-	0.61
1960	3.13	6.39	-	1.15
1959	7.40	18.50	-	1.40
1958	6.16	17.55	-	1.88
1957	8.43	21.77	-	0.40
1956	6.86	23.49	-	1.66
1955	6.51	39.65	-	1.44
1954	10.26	29.19	-	1.98
1953	13.16	33.20	0.16	3.19
1952	14.62	48.62	0.27	3.33
1951	8.03	56.28	0.09	4.41
1950	6.70	42.80	0.40	4.20
1949	7.10	36.90	0.40	6.90
1948	6.90	36.36	0.44	5.32
1947	9.18	61.52	-	4.12
1946	9.96	57.61	-	6.92
1945	4.60	64.00	-	8.82
1944	7.65	57.96	-	10.00

## TUBERCULOSIS ORDER, 1938.

No cattle were sent for slaughter by the Veterinary Inspectors under the Tuberculosis Order, 1938.

## CYSTICERCUS BOVIS

All bovines are subjected to examinations for *Cysticercus Bovis* and during the year 20 cases were discovered. In each case particulars of the animal affected were forwarded to the Divisional Veterinary Inspector of the Ministry of Agriculture, Fisheries and Food.

The carcasses were subjected to refrigeration prior to release in accordance with the terms of the Ministry of Agriculture, Fisheries and Food circular.

## INSPECTION OF OTHER FOODS

The following table gives a list of foods examined by the Public Health Inspectors and rejected as unfit for human consumption. All were voluntarily surrendered.

Food	No. of Containers	Weight				
		Tons	Cwts	Qrs.	lbs.	ozs.
Meat (Canned)	1916	2	-	3	13	3
Fruit	2733	1	13	2	24	12
Vegetables	1042	-	18	3	7	10
Milk	324	-	2	2	21	1½
Fish	404	-	2	1	13	2
Soups	24	-	-	2	9	4
Sundries	107	-	1	-	22	9
Total	6550	5	-	-	27	9½

## FOOD AND DRUGS ACT, 1955

The Public Analyst for the Borough is Dr. G. H. Walker, Ph.D., F.R.I.C., County Offices, Preston.

155 samples of milk and other foods were submitted to the Public Analyst for examination. The classified table on the following page shows the results of the analysis of the samples.

There were no prosecutions under the Act, such infringements as were found being dealt with informally.



ANALYSIS OF FOOD SAMPLES - 1961.

Articles	Number examined				Number adulterated or otherwise giving rise to irregularity.
	Formal	Inf.	Priv.	Total	
Almond Spread	-	1	-	1	-
Barley	-	1	-	1	1
Biscuits, Slimming	-	1	-	1	1
Brandy	-	2	-	2	-
Breakfast Cereal	-	1	-	1	-
Butter	-	5	-	5	-
Buttered Currant Tootenakes	1	3	-	4	1
Cheese	-	3	-	3	-
Cheese Spread	-	1	-	1	-
Chicken, Boned (Canned)	-	1	-	1	-
Coffee	-	1	-	1	-
Crab, Dressed	-	1	-	1	1
Cream, double	-	1	-	1	-
Dandelion Coffee Essence	-	1	-	1	-
Fish, canned	-	2	-	2	-
Flavouring Materials (Sherry essence)	-	1	-	1	-
Flour Confectionery	-	1	-	1	-
Fruit Curd	-	1	-	1	-
Fruit, dried	-	2	-	2	-
Fruit, fresh (Apples & Oranges)	-	2	-	2	-
Fruit juice, canned	-	1	-	1	1
Gelatine	-	2	-	2	-
Ginger, ground	-	1	-	1	-
Haggis, canned	-	1	-	1	-
Hamburgers, frozen	-	1	-	1	-
Honey	-	2	-	2	-
Ice Cream	-	4	-	4	-
Ice Lollies	-	2	-	2	-
Jam	-	2	-	2	-
Margarine	-	1	-	1	-
Marmalade	-	1	-	1	-
C/twd.	1	50	-	51	5

ANALYSIS OF FOOD SAMPLES - 1961

(Continued)

Articles	Number examined				Number adulterated or otherwise giving rise to irregularity.
	Formal	Inf.	Priv.	Total	
b/fwd.	1	50	-	51	5
Meat, canned	-	3	-	3	1
Meat, potted	-	1	-	1	1
Milk	-	63	-	63	3
Milk, Channel Islands	-	1	-	1	-
Mint Sauce	-	1	-	1	-
Paraffin, Liquid	-	1	-	1	-
Pepper, White	-	1	-	1	-
Pickles	-	1	-	1	-
Ravioli, canned	-	1	-	1	-
Rose Hip Syrup	-	1	-	1	-
Rum	-	1	-	1	-
Sauce	-	1	-	1	-
Sausages, Beef	-	1	-	1	-
Sausages, Pork	-	7	-	7	1
Sausage Meat (Pork)	-	1	-	1	-
Soft Drinks, Orange Drink with added Glucose, to be diluted	-	1	-	1	1
Soft Drinks (Bitter Lemon) canned	-	1	-	1	-
Sweets	-	5	-	5	1
Tea	-	2	-	2	-
Tomatoes, Canned	-	1	-	1	-
Vegetables, Canned	-	5	-	5	3
Vegetables, Dehydrated	-	1	-	1	-
Vegetable Colouring Matter (Spanish Saffron)	-	1	-	1	-
Whisky	-	2	-	2	-
TOTALS	1	154	-	155	16



ADULTERATED SAMPLES 1961.

Number of Sample	Description	Nature of adulteration or irregularity.	Observations
393	Potted Meat (Informal)	Contained 50.5 per cent. meat and gelatine and 49.5 per cent. excess water. Prepacked in a 4 oz. container which bore no label. Potted meat should contain meat and seasoning only and should not contain added water.	Producer cautioned
394	Pork Sausages (Informal)	Contained 170 parts per million sulphite preservative (expressed as sulphur dioxide) without declaration.	Vendor interviewed. Correct notice re preservative now displayed.
398	Orange Drink with added Glucose to be diluted. (Informal)	Total dextrose content (including dextrose derived from invert sugar) 7.2 per cent. equivalent to only 1.4 per cent in the diluted drink. Poor in glucose content.	Manufacturers communicated with.
411	Fruit Juice, canned (Informal)	Vitamin C declared in terms of milligrams in the whole can. Labelling of Food Order requires declaration of Vitamin C in terms of milligrams per fluid ounce.	Manufacturers communicated with. Labels to be amended.
412	Crab, Dressed (Informal)	Contained 30 per cent. cereal filler. Should consist of not less than 95 per cent. crab meat.	Manufacturers interviewed.
423	Buttered Currant Teacake. (Informal)	Sample "buttered" with 16.5 per cent. of a mixture of butter and margarine containing 40 per cent. butter.	Formal sample advised
415	Milk (Informal)	Deficient 11.6 per cent fat.	Farmer notified. Other sample taken at same time genuine.

ADULTERATED SAMPLES 1961.

Number of Sample	Description	Nature of adulteration or irregularity.	Observations
432	Milk (Informal)	Deficient 5.0 per cent. fat.	Farmer notified.
435	Milk (Informal)	Deficient 1.6 per cent. fat.	Vendor notified.
446	Meat, Canned (Informal)	Can faulty- loose particles of solder along seams.	No further stock available.
457	Dairy Milk Chocolate (Informal)	The sample was devoid of significant quantities of cocoa butter, was deficient in whole milk solids and contained skim milk solids. Should not be sold as "Dairy Milk Chocolate" or even as "Milk Block" without declaration of the presence of skim milk solids.	Formal sample advised.
458	Slimming Biscuits (Informal)	Loose internal label voluntarily declares a list of ingredients which is not in the order of the proportions of the ingredients used and omits fats, cornflour and carboxymethyl cellulose.	Manufacturers communicated with.
466	Barley (Informal)	Sample contained 10 live insects (1 millimetre long) of the nature of book lice.	Remainder of stock examined.
496	Green Beans, Canned (Informal)	Contained 445 parts per million of tin. Recommended maximum limit 250 parts per million.	See samples No's 500 and 501
500	Green Beans, Canned (Informal)	Contained 350 parts per million of tin. Recommended maximum limit 250 parts per million. )	Same packer as sample No.496. Packer communicated with and stocks withdrawn from sale. Ministry of Agriculture, Fisheries & Food informed.
501	Green Beans, Canned (Informal)	Contained 330 parts per million of tin. Recommended maximum limit 250 parts per million. )	

M I L K      S U P P L Y.

The Borough is a specified area where only Tuberculin Tested, Pasteurised and Sterilised milk is permitted to be sold.

Number of Registered Distributors in the Borough                      150

Number of Registered Dairies in the Borough                                      2

Year	Number of Samples	Fat	Solids-not-Fat	Total Solids	Percentage Adulteration.
1942	78	3.60	8.67	12.27	5.1
1943	61	3.79	8.60	12.39	3.3
1944	50	3.70	8.53	12.23	4.0
1945	38	3.61	8.55	12.16	7.9
1946	34	3.57	8.55	12.12	5.9
1947	60	3.81	8.52	12.23	16.6
1948	83	3.70	8.60	12.30	9.6
1949	80	3.67	8.56	12.23	8.7
1950	87	3.69	8.62	12.31	6.9
1951	70	3.65	8.66	12.31	4.2
1952	62	3.86	8.65	12.51	3.2
1953	65	3.79	8.55	12.34	12.3
1954	71	3.84	8.63	12.47	1.4
1955	61	3.83	8.58	12.41	4.9
1956	60	3.80	8.53	12.33	5.0
1957	58	3.70	8.60	12.30	1.7
1958	58	3.72	8.60	12.32	3.4
1959	66	3.56	8.65	12.21	10.6
1960	53	3.60	8.66	12.26	5.7
1961	63	3.62	8.62	12.24	4.8
Average		3.70	8.59	12.29	6.2

BACTERIOLOGICAL AND BIOLOGICAL EXAMINATION OF MILK SAMPLES.

Designation	Number taken	NATURE OF TEST							
		Methylene Blue		Turbidity Test		Phosphatase Test		Tubercle Bacilli	
		Satis- factory	Unsatis- factory	Satis- factory	Unsatis- factory	Satis- factory	Unsatis- factory	Positive	Negative
Tuberculin Tested	37	35	2	-	-	-	-	33 *	-
Pasteurised	30	29	1	-	-	30	-	-	-
T.T. Pasteurised	14	14	-	-	-	14	-	-	-
Sterilised	10	-	-	10	-	-	-	-	-
TOTALS	91	78	3	10	-	44	-	33	-

\* No Tubercle Bacilli Tests taken on four samples.

## ICE CREAM.

In accordance with Section 16(1)(a) of the Food and Drugs Act, 1955, 5 premises were registered for the sale of Ice Cream during the year. 190 such premises now appear in the Register. There are four manufacturers of Ice Cream licensed in the Borough.

Samples for bacteriological examination are submitted to the Regional Public Health Laboratory, Monsall Hospital, Manchester. Six samples were submitted for examination and the following grades were achieved:-

Grade I:	3 samples
Grade II:	1 sample
Grade III:	1 "
Grade IV:	1 "

The following table gives the result of the examination of Ice Cream samples submitted under the Food and Drugs Act:-

Year	Fats %	Total Solids: %
1951	9.8	35.5
1952	9.8	32.7
1953	9.4	34.1
1954	8.5	33.7
1955	7.0	33.6
1956	8.4	34.4
1957	7.4	35.6
1958	8.6	35.4
1959	8.7	36.4
1960	8.0	36.5
1961	6.9	34.4
Average	8.4	34.7

## LANCASHIRE COUNTY COUNCIL (GENERAL POWERS) ACT 1951.

### HAWKERS.

Any person who shall by himself, or any person employed by him, sell or offer or expose for sale, any meat or meat food product, or fish, fruit or vegetables from any cart, barrow or other vehicle or from any basket, pail, tray or other receptacle, must be registered.

The number of persons on the register at the end of the year was 87.

### PREMISES.

All premises used or proposed to be used for storage of meat, meat food products, or fish, fruit or vegetables must be registered. The number of premises registered at the end of the year was 61.

## FOOD AND DRUGS ACT, 1955 (Section 16)

### PRESERVED FOODS, ETC.

Under the above Act all premises used for the preparation or manufacture of sausages or potted, pressed, pickled or preserved meat, fish or other food intended for sale must be registered. The number of premises registered at the end of the year was 98.



# RODENT CONTROL.

## PREVENTION OF DAMAGE BY PESTS ACT, 1949.

During the year, as a result of complaints and continuous survey, 2,520 premises were inspected. As a result 416 infestations were found and in course of treatment 6,474 visits were made by the Rodent Operator.

A free service for the destruction of Rats and Mice is given to occupiers of dwelling-houses, conditional on there being no contributory negligence. In all other cases the full cost of the work and materials is borne by the occupiers of the premises, and in this connection the sum of £102.13s.8d., was recovered during the year.

## SUMMARY OF VISITS MADE FOR PURPOSE OF SURVEY

Premises	Number of Visits	Rats only Non-poisonous Baits.
Local Authority Premises	19	120
Houses	1633	1199
Factories	106	402
Food Premises	114	328
Shops (not Food)	56	89
Offices	12	10
Schools	18	81
Stables	4	18
Hen Runs	24	84
Slaughterhouses	16	150
Licensed Premises	23	45
Garages	162	276
Agricultural	34	78
Brooks and Waterways	20	144
Miscellaneous	18	43
TOTAL	2,259	3,067

# SUMMARY OF VISITS FOR PURPOSES OF TREATMENT

Type of Premises	No. of Visits	Non-Poisonous Baits		Rats		Poisonous Baits		Mice		Estimated Kill Rats Only
		Rats Only.								
		Laid	Taken	Laid	Taken	Laid	Taken	Laid	Taken	
Local Authority	60	120	18	416	89	115	34			40
Dwellinghouses	5470	1199	275	3403	874	1361	457			486
Factories	271	402	47	2604	519	723	146			264
Food Premises	202	328	22	343	54	649	141			28
Shops (Not Food)	70	89	2	21	1	69	16			1
Offices	21	10	-	-	-	61	11			-
Schools	37	81	6	80	14	112	22			8
Piggeries	2	12	-	-	-	-	-			-
Stables	4	18	-	-	-	-	-			-
Hen Runs	28	84	-	35	10	-	-			6
Slaughterhouses	16	150	-	-	-	-	-			-
Licensed Premises	20	21	-	-	-	97	26			2
Clubs	18	24	-	53	8	-	-			3
Garages	170	276	5	52	12	22	2			6
Waterways	21	144	14	20	5	-	-			3
Scrap metal yards	5	-	-	31	9	-	-			5
Agriculture	42	78	4	142	32	-	-			17
Miscellaneous	17	31	6	-	-	29	4			-
TOTALS	6474	3067	399	7200	1627	3238	859			869

# SEWER INFESTATION.

The Ministry of Agriculture, Fisheries and Food procedure as to the methods of pre-baiting and poisoning is adhered to throughout this work. The disinfection of sewers comprises what is known as an initial treatment followed by maintenance of a similar kind at six-monthly intervals.

A comparative table of all treatments undertaken since the inception of this scheme in 1945 to date is given below:-

## SEWER TREATMENT - RATS.

Year	Treat- mont No.	No. of Manholes treated	Baiting (2 days)		Poison Baiting			Estimated Kill
			Taken	Not Taken	Good	Taken Small	Not taken	
1945	1	834	107	727	68	38	728	1160
	2	834	31	803	10	22	802	280
1946	3	224	137	311	36	37	151	660
	4	224	135	313	27	35	162	593
1947	5	87	119	55	42	20	25	693
1948	6	98	99	87	24	27	48	500
	7	102	75	129	24	16	62	427
1949	8	106	14	91	30	22	54	520
	9	117	25	82	35	16	66	510
1950	10	94	48	46	14	34	46	930
	11	104	63	41	3	56	45	620
1951	12	64	49	15	4	38	22	420
	13	108	46	62	4	42	62	460
1952	14	106	64	42	1	64	41	222
	15	121	65	56	2	60	59	215
1953	16	109	53	56	-	50	59	208
	17	108	56	52	1	56	51	280
1954	18	100	70	31	-	68	32	109
	19	106	65	27	1	57	48	387
1955	20	101	74	25	2	46	53	480
	21	81	51	30	-	41	40	273
1956	22	96	54	42	-	52	44	260
	23	115	72	43	3	45	67	320
1957	24	111	81	30	2	70	39	740
	25	104	34	70	Baiting with Warfarin commenced			
1958	26	101	78	23		do		do
	27	106	35	71		do		do
1959	28	110	26	84		do		do
	29	118	38	80		do		do
1960	30	86	17	69		do		do
	31	36	21	15		do		do
1961	32	55	23	32		do		do
	33	50	16	34		do		do





